

## HEAT SINK HAND PLACEMENT TOOL

### ABSTRACT

A heat sink hand placement tool for manually installing a heat sink to an integrated circuit (IC). The heat sink tool includes a heat sink interface block  
5 having a lower surface adapted to provide a force on a heat sink disposed over an IC. A force transducer interfaces with an upper surface of the heat sink interface block to produce an electrical signal, which is routed to a measurement circuit to measure the electrical signal. A chassis is disposed over the force transducer and the measurement circuit, wherein the chassis is  
10 adapted to receive a force from a user, such that the force is transmitted to the lower surface of the heat sink interface block. The measurement circuit then provides an indication of the force being applied within a predetermined range.